

WHAT IS CLAIMED IS:

1                   1. A universal monitor to be mounted in a tire of a vehicle, the  
2 monitor for use in a remote tire pressure monitoring system for the vehicle, the  
3 monitor comprising:  
4                   a sensor for sensing tire pressure;  
5                   a storage device for storing a plurality of codes, each code comprising  
6 at least a data format; and  
7                   a transmitter in communication with the sensor and the storage  
8 device, the transmitter for transmitting a wireless signal including data representing  
9 the sensed tire pressure, wherein the wireless signal is transmitted by the transmitter  
10 according to at least one of the stored plurality of codes.

1                   2. The monitor of claim 1 further comprising a receiver in  
2 communication with the storage device, the receiver for receiving a program signal  
3 for use in selecting one of the plurality of codes according to which the wireless  
4 signal is transmitted by the transmitter.

1                   3. The monitor of claim 2 wherein the receiver comprises a port for  
2 receiving the program signal.

1                   4. The monitor of claim 3 further comprising an external interface  
2 for connecting to the port and transmitting the program signal.

1                   5. The monitor of claim 2 wherein the program signal has a low  
2 frequency, and the receiver comprises a low frequency receiver.

1                   6. The monitor of claim 2 further comprising a remote transmitter  
2 for transmitting the program signal for receipt by the receiver.

1                   7. The monitor of claim 6 wherein the program signal has a low  
2 frequency, the receiver comprises a low frequency receiver, and the remote  
3 transmitter comprises a low frequency transmitter.

1                   8. The monitor of claim 1 wherein the wireless signal is transmitted  
2 by the transmitter according to each of the stored plurality of codes.

1                   9. The monitor of claim 1 further comprising a receiver for mounting  
2 on the vehicle, the receiver for receiving the wireless signal transmitted by the  
3 transmitter, wherein the receiver is configured to recognize a wireless signal  
4 transmitted according to one of the plurality of codes.

1                   10. The monitor of claim 2 further comprising a receiver for  
2 mounting on the vehicle, the receiver for receiving the wireless signal transmitted  
3 by the transmitter, wherein the receiver is configured to recognize a wireless signal  
4 transmitted according to one of the plurality of codes.

1                   11. A universal monitor to be mounted in a tire of a vehicle, the  
2 monitor for use in a remote tire pressure monitoring system for the vehicle, the  
3 monitor comprising:  
4                   a sensor for sensing tire pressure;  
5                   a receiver for receiving a program signal, the program signal  
6 comprising one of a plurality of codes, each code comprising at least a data format;  
7 and  
8                   a transmitter in communication with the sensor and for transmitting  
9 a wireless signal including data representing the sensed tire pressure, wherein the  
10 wireless signal is transmitted according to the one of the plurality of codes received  
11 by the receiver.

1                   12. The monitor of claim 11 further comprising a storage device in  
2 communication with the receiver and the transmitter, the storage device for storing  
3 the one of the plurality of codes received by the receiver.

1                   13. The monitor of claim 11 wherein the program signal has a low  
2 frequency, and the receiver comprises a low frequency receiver.

1                   14. The monitor of claim 11 further comprising a remote transmitter  
2     for transmitting the program signal for receipt by the receiver.

1                   15. The monitor of claim 14 wherein the program signal has a low  
2     frequency, the receiver comprises a low frequency receiver, and the remote  
3     transmitter comprises a low frequency transmitter.

1                   16. The monitor of claim 11 wherein the receiver comprises a port  
2     for receiving the program signal.

1                   17. The monitor of claim 16 further comprising an external interface  
2     for connecting to the port and transmitting the program signal.

1                   18. The monitor of claim 11 further comprising a receiver for  
2     mounting on the vehicle, the receiver for receiving the wireless signal transmitted  
3     by the transmitter, wherein the receiver is configured to recognize a wireless signal  
4     transmitted according to the one of the plurality of codes.

1                   19. A universal monitor to be mounted in a tire of a vehicle, the  
2     monitor for use in a remote tire pressure monitoring system for the vehicle, the  
3     monitor comprising:  
4                   a sensor for sensing tire pressure;  
5                   a storage device for storing a plurality of codes, each code comprising  
6     at least a data format; and  
7                   a transmitter in communication with the sensor and the storage  
8     device, the transmitter for transmitting a series of wireless signals including data  
9     representing the sensed tire pressure, wherein each of the series of wireless signals  
10    is transmitted according to a different one of the stored plurality of codes.

1                   20. The monitor of claim 19 further comprising a receiver for  
2     mounting on the vehicle, the receiver for receiving the series of wireless signals  
3     transmitted by the transmitter, wherein the receiver is configured to recognize one  
4     of the series of wireless signal transmitted according to one of the plurality of codes.